

Director/PDMR Shareholding

November 1, 2016 – Shire plc (LSE: SHP, NASDAQ: SHPG) (the “Company”)

Notification of transactions by persons discharging managerial responsibilities

1.	Details of the person discharging managerial responsibilities (“PDMR”) / person closely associated with them (“PCA”)		
a)	Name	Ginger Gregory	
2.	Reason for the notification		
a)	Position / status	Chief Human Resources Officer - PDMR	
b)	Initial notification / amendment	Initial notification	
3.	Details of the issuer, emission allowance participant, auction platform, auctioneer or auction monitor		
a)	Name	Shire plc	
b)	LEI	54930005LQRLI2UXRQ59	
4.	Details of the transaction(s): section to be repeated for (i) each type of instrument; (ii) each type of transaction; (iii) each date; and (iv) each place where transactions have been conducted		
a)	Description of the financial instrument, type of instrument Identification code	Shire plc American Depositary Shares (“ADSs”) ISIN: US82481R1068	
b)	Nature of the transaction	Receipt of option over notional ADSs granted under the Shire Global Employee Stock Purchase Plan. Dr. Gregory has elected to save \$400.00 per fortnight. The option price will be the lower of 85% of the fair market value of an ADS on October 31, 2016, and 85% of the fair market value of an ADS on October 30, 2017.	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
		N/A	N/A
d)	Aggregated information - Aggregated volume - Price	N/A (single transaction)	
e)	Date of the transaction	November 1, 2016	
f)	Place of the transaction	N/A	

1.	Details of the person discharging managerial responsibilities (“PDMR”) / person		
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	closely associated with them (“PCA”)					
a)	Name	Bill Mordan				
2.	Reason for the notification					
a)	Position / status	General Counsel and Company Secretary - PDMR				
b)	Initial notification / amendment	Initial notification				
3.	Details of the issuer, emission allowance participant, auction platform, auctioneer or auction monitor					
a)	Name	Shire plc				
b)	LEI	54930005LQRLI2UXRQ59				
4.	Details of the transaction(s): section to be repeated for (i) each type of instrument; (ii) each type of transaction; (iii) each date; and (iv) each place where transactions have been conducted					
a)	Description of the financial instrument, type of instrument Identification code	Shire plc American Depositary Shares (“ADSs”) ISIN: US82481R1068				
b)	Nature of the transaction	Receipt of option over notional ADSs granted under the Shire Global Employee Stock Purchase Plan. Mr. Mordan has elected to save \$480.77 per fortnight. The option price will be the lower of 85% of the fair market value of an ADS on October 31, 2016, and 85% of the fair market value of an ADS on October 30, 2017.				
c)	Price(s) and volume(s)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Price(s)</th> <th style="width: 50%;">Volume(s)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> </tr> </tbody> </table>	Price(s)	Volume(s)	N/A	N/A
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d)	Aggregated information - Aggregated volume - Price	N/A (single transaction)				
e)	Date of the transaction	November 1, 2016				
f)	Place of the transaction	N/A				

1.	Details of the person discharging managerial responsibilities (“PDMR”) / person closely associated with them (“PCA”)	
a)	Name	Flemming Ornskov
2.	Reason for the notification	
a)	Position / status	Chief Executive Officer - PDMR
b)	Initial notification / amendment	Initial notification
3.	Details of the issuer, emission allowance participant, auction platform, auctioneer or auction monitor	
a)	Name	Shire plc

b)	LEI	54930005LQRLI2UXRQ59	
4.	Details of the transaction(s): section to be repeated for (i) each type of instrument; (ii) each type of transaction; (iii) each date; and (iv) each place where transactions have been conducted		
a)	Description of the financial instrument, type of instrument Identification code	Shire plc American Depositary Shares ("ADSs") ISIN: US82481R1068	
b)	Nature of the transaction	Receipt of option over notional ADSs granted under the Shire Global Employee Stock Purchase Plan. Dr. Ornskov has elected to save \$480.77 per fortnight. The option price will be the lower of 85% of the fair market value of an ADS on October 31, 2016, and 85% of the fair market value of an ADS on October 30, 2017.	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
		N/A	N/A
d)	Aggregated information - Aggregated volume - Price	N/A (single transaction)	
e)	Date of the transaction	November 1, 2016	
f)	Place of the transaction	N/A	

1.	Details of the person discharging managerial responsibilities ("PDMR") / person closely associated with them ("PCA")		
a)	Name	Jeff Poulton	
2.	Reason for the notification		
a)	Position / status	Chief Financial Officer - PDMR	
b)	Initial notification / amendment	Initial notification	
3.	Details of the issuer, emission allowance participant, auction platform, auctioneer or auction monitor		
a)	Name	Shire plc	
b)	LEI	54930005LQRLI2UXRQ59	
4.	Details of the transaction(s): section to be repeated for (i) each type of instrument; (ii) each type of transaction; (iii) each date; and (iv) each place where transactions have been conducted		
a)	Description of the financial instrument, type of instrument Identification code	Shire plc American Depositary Shares ("ADSs") ISIN: US82481R1068	
b)	Nature of the transaction	Receipt of option over notional ADSs granted under the Shire Global Employee Stock Purchase Plan. Mr. Poulton has elected	

		to save \$480.77 per fortnight. The option price will be the lower of 85% of the fair market value of an ADS on October 31, 2016, and 85% of the fair market value of an ADS on October 30, 2017.	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
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d)	Aggregated information - Aggregated volume - Price	N/A (single transaction)	
e)	Date of the transaction	November 1, 2016	
f)	Place of the transaction	N/A	

1.	Details of the person discharging managerial responsibilities (“PDMR”) / person closely associated with them (“PCA”)		
a)	Name	Perry Sternberg	
2.	Reason for the notification		
a)	Position / status	Head of US Commercial - PDMR	
b)	Initial notification / amendment	Initial notification	
3.	Details of the issuer, emission allowance participant, auction platform, auctioneer or auction monitor		
a)	Name	Shire plc	
b)	LEI	54930005LQRLI2UXRQ59	
4.	Details of the transaction(s): section to be repeated for (i) each type of instrument; (ii) each type of transaction; (iii) each date; and (iv) each place where transactions have been conducted		
a)	Description of the financial instrument, type of instrument Identification code	Shire plc American Depositary Shares (“ADSs”) ISIN: US82481R1068	
b)	Nature of the transaction	Receipt of option over notional ADSs granted under the Shire Global Employee Stock Purchase Plan. Mr. Sternberg has elected to save \$480.77 per fortnight. The option price will be the lower of 85% of the fair market value of an ADS on October 31, 2016, and 85% of the fair market value of an ADS on October 30, 2017.	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
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d)	Aggregated information - Aggregated volume - Price	N/A (single transaction)	

e)	Date of the transaction	November 1, 2016
f)	Place of the transaction	N/A

1.	Details of the person discharging managerial responsibilities (“PDMR”) / person closely associated with them (“PCA”)					
a)	Name	Kim Stratton				
2.	Reason for the notification					
a)	Position / status	Head of International Commercial - PDMR				
b)	Initial notification / amendment	Initial notification				
3.	Details of the issuer, emission allowance participant, auction platform, auctioneer or auction monitor					
a)	Name	Shire plc				
b)	LEI	54930005LQRLI2UXRQ59				
4.	Details of the transaction(s): section to be repeated for (i) each type of instrument; (ii) each type of transaction; (iii) each date; and (iv) each place where transactions have been conducted					
a)	Description of the financial instrument, type of instrument Identification code	Shire plc Ordinary Shares of 5 pence each (“Ordinary Shares”) ISIN: JE00B2QKY057				
b)	Nature of the transaction	Receipt of option over notional Ordinary Shares granted under the Shire Global Employee Stock Purchase Plan. Ms. Stratton has elected to save Fr.1,009.83 per month. The option price will be the lower of 85% of the fair market value of an Ordinary Share on October 31, 2016, and 85% of the fair market value of an Ordinary Share on October 30, 2017.				
c)	Price(s) and volume(s)	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">Price(s)</th> <th style="width: 50%;">Volume(s)</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">N/A</td> <td style="text-align: center;">N/A</td> </tr> </tbody> </table>	Price(s)	Volume(s)	N/A	N/A
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e)	Date of the transaction	November 1, 2016				
f)	Place of the transaction	N/A				

1.	Details of the person discharging managerial responsibilities (“PDMR”) / person closely associated with them (“PCA”)	
a)	Name	Phil Vickers
2.	Reason for the notification	
a)	Position / status	Head of Research and Development - PDMR

b)	Initial notification / amendment	Initial notification	
3.	Details of the issuer, emission allowance participant, auction platform, auctioneer or auction monitor		
a)	Name	Shire plc	
b)	LEI	54930005LQRLI2UXRQ59	
4.	Details of the transaction(s): section to be repeated for (i) each type of instrument; (ii) each type of transaction; (iii) each date; and (iv) each place where transactions have been conducted		
a)	Description of the financial instrument, type of instrument Identification code	Shire plc American Depositary Shares ("ADSs") ISIN: US82481R1068	
b)	Nature of the transaction	Receipt of option over notional ADSs granted under the Shire Global Employee Stock Purchase Plan. Dr. Vickers has elected to save \$480.77 per fortnight. The option price will be the lower of 85% of the fair market value of an ADS on October 31, 2016, and 85% of the fair market value of an ADS on October 30, 2017.	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
		N/A	N/A
d)	Aggregated information - Aggregated volume - Price	N/A (single transaction)	
e)	Date of the transaction	November 1, 2016	
f)	Place of the transaction	N/A	

1.	Details of the person discharging managerial responsibilities ("PDMR") / person closely associated with them ("PCA")		
a)	Name	Matt Walker	
2.	Reason for the notification		
a)	Position / status	Head of Technical Operations - PDMR	
b)	Initial notification / amendment	Initial notification	
3.	Details of the issuer, emission allowance participant, auction platform, auctioneer or auction monitor		
a)	Name	Shire plc	
b)	LEI	54930005LQRLI2UXRQ59	
4.	Details of the transaction(s): section to be repeated for (i) each type of instrument; (ii) each type of transaction; (iii) each date; and (iv) each place where transactions have been conducted		

a)	Description of the financial instrument, type of instrument Identification code	Shire plc American Depositary Shares (“ADSs”) ISIN: US82481R1068	
b)	Nature of the transaction	Receipt of option over notional ADSs granted under the Shire Global Employee Stock Purchase Plan. Mr. Walker has elected to save \$480.77 per fortnight. The option price will be the lower of 85% of the fair market value of an ADS on October 31, 2016, and 85% of the fair market value of an ADS on October 30, 2017.	
c)	Price(s) and volume(s)	Price(s)	Volume(s)
		N/A	N/A
d)	Aggregated information - Aggregated volume - Price	N/A (single transaction)	
e)	Date of the transaction	November 1, 2016	
f)	Place of the transaction	N/A	

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Senior Assistant Company Secretary

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NOTES TO EDITORS

About Shire

Shire is the leading global biotechnology company focused on serving people with rare diseases and other highly specialized conditions. We strive to develop best-in-class products, many of which are available in more than 100 countries, across core therapeutic areas including Hematology, Immunology, Neuroscience, Ophthalmics, Lysosomal Storage Disorders, Gastrointestinal / Internal Medicine / Endocrine and Hereditary Angioedema; and a growing franchise in Oncology.

Our employees come to work every day with a shared mission: to develop and deliver breakthrough therapies for the hundreds of millions of people in the world affected by rare diseases and other high-need conditions, and who lack effective therapies to live their lives to the fullest.

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